

1 21. (Amended) The gas discharge panel production method of Claim 6, wherein  
2 the sealing material softens when a stimulus is given from outside, and  
3 in the airtightly seal sub-step, the stimulus is given to the sealing material to soften the  
4 sealing material so that gas flow between inside and outside of the surrounding unit is  
5 interrupted, and  
6 the pressure adjustment sub-step is performed after the airtightly seal sub-step starts.

7 22. (Amended) The gas discharge panel production method of Claim 6, wherein  
8 the sealing step includes:  
9 a preparatory sealing sub-step for sealing the surrounding unit with another sealing  
10 material different from the sealing material before the surrounding unit is sealed with the sealing  
11 material in the sealing step, the other sealing material being inserted between the first panel and  
12 the second panel at the rim.

13 23. (Amended) The gas discharge panel production method of Claim 1, wherein  
14 in the sealing step, the surrounding unit is sealed while the first panel and the second  
15 panel is pressurized by fastening tools pinching the first panel and the second panel at the rim.

16 32. (Amended) The gas discharge panel production method of Claim 1 further  
17 comprising:

18 an adhesive application step for applying an adhesive to top of the barrier ribs on the first  
19 panel, the applied adhesive being to bond the top of the barrier ribs to the second panel, and the  
20 adhesive application step being performed before the surrounding unit forming step, and

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1 in the sealing step, the top of the barrier ribs and the second panel are bonded together by  
2 the applied adhesive as the surrounding unit is sealed by the sealing material.

3 42. (Amended) The gas discharge panel production method of Claim 36, wherein  
4 whichever comes first out of the sealing step and the bonding step includes, or both of the  
5 sealing step and the bonding step include:

ay 6 a pressure adjustment sub-step for adjusting pressure so that pressure inside the  
7 surrounding unit is lower than pressure outside the surrounding unit.

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8 43. (Amended) The gas discharge panel production method of Claim 36, wherein  
9 in the sealing step, the barrier ribs are observed in terms of shape, and condition for  
10 radiating the energy is controlled based on results of the observance.

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11 51. (Amended) The exhaust pipe sealing off apparatus of Claim 49, wherein  
12 the restriction member is disposed at tow locations or more along the exhaust pipe  
13 between the heating unit and the exhaust pipe.

14 53. (Amended) A gas discharge panel produced with a production method defined in  
15 Claim 1.

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Please add the following newly drafted Claims 60-150.

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1 60. (New) The gas discharge panel production method of Claim 3, wherein  
2 in the surrounding unit forming step, a connection path which connects inside of the  
3 surrounding unit to outside of the surrounding unit is formed in the surrounding unit, and

4 in the pressure adjustment sub-step, gas is exhausted from inside of the surrounding unit  
5 to outside of the surrounding unit via the connection path.

1 61. (New) The gas discharge panel production method of Claim 7, wherein  
2 the sealing material softens when a stimulus is given from outside, and  
3 in the airtightly seal sub-step, the stimulus is given to the sealing material to soften the  
4 sealing material so that gas flow between inside and outside of the surrounding unit is  
5 interrupted, and

the pressure adjustment sub-step is performed after the airtightly seal sub-step starts.

62. (New) The gas discharge panel production method of Claim 8, wherein  
the sealing material softens when a stimulus is given from outside, and  
in the airtightly seal sub-step, the stimulus is given to the sealing material to soften the  
sealing material so that gas flow between inside and outside of the surrounding unit is  
interrupted, and

the pressure adjustment sub-step is performed after the airtightly seal sub-step starts.

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1 63. (New) The gas discharge panel production method of Claim 9, wherein  
2 the sealing material softens when a stimulus is given from outside, and  
3 in the airtightly seal sub-step, the stimulus is given to the sealing material to soften the  
4 sealing material so that gas flow between inside and outside of the surrounding unit is  
5 interrupted, and

6 the pressure adjustment sub-step is performed after the airtightly seal sub-step starts.

1 64. (New) The gas discharge panel production method of Claim 10, wherein  
2 the sealing material softens when a stimulus is given from outside, and  
3 in the airtightly seal sub-step, the stimulus is given to the sealing material to soften the  
4 sealing material so that gas flow between inside and outside of the surrounding unit is  
5 interrupted, and  
6 the pressure adjustment sub-step is performed after the airtightly seal sub-step starts.

1 65. (New) The gas discharge panel production method of Claim 11, wherein  
2 the sealing material softens when a stimulus is given from outside, and  
3 in the airtightly seal sub-step, the stimulus is given to the sealing material to soften the  
4 sealing material so that gas flow between inside and outside of the surrounding unit is  
5 interrupted, and  
6 the pressure adjustment sub-step is performed after the airtightly seal sub-step starts.

1 66. (New) The gas discharge panel production method of Claim 12, wherein  
2 the sealing material softens when a stimulus is given from outside, and  
3 in the airtightly seal sub-step, the stimulus is given to the sealing material to soften the  
4 sealing material so that gas flow between inside and outside of the surrounding unit is  
5 interrupted, and  
6 the pressure adjustment sub-step is performed after the airtightly seal sub-step starts.

1 67. (New) The gas discharge panel production method of Claim 13, wherein  
2 the sealing material softens when a stimulus is given from outside, and  
3 in the airtightly seal sub-step, the stimulus is given to the sealing material to soften the  
4 sealing material so that gas flow between inside and outside of the surrounding unit is  
5 interrupted, and  
6 the pressure adjustment sub-step is performed after the airtightly seal sub-step starts.

1 68. (New) The gas discharge panel production method of Claim 14, wherein  
2 the sealing material softens when a stimulus is given from outside, and  
3 in the airtightly seal sub-step, the stimulus is given to the sealing material to soften the  
4 sealing material so that gas flow between inside and outside of the surrounding unit is  
5 interrupted, and  
6 the pressure adjustment sub-step is performed after the airtightly seal sub-step starts.

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1 69. (New) The gas discharge panel production method of Claim 15, wherein  
2 the sealing material softens when a stimulus is given from outside, and  
3 in the airtightly seal sub-step, the stimulus is given to the sealing material to soften the  
4 sealing material so that gas flow between inside and outside of the surrounding unit is  
5 interrupted, and  
6 the pressure adjustment sub-step is performed after the airtightly seal sub-step starts.

1 70. (New) The gas discharge panel production method of Claim 16, wherein  
2 the sealing material softens when a stimulus is given from outside, and  
3 in the airtightly seal sub-step, the stimulus is given to the sealing material to soften the

4 sealing material so that gas flow between inside and outside of the surrounding unit is  
5 interrupted, and

6 the pressure adjustment sub-step is performed after the airtightly seal sub-step starts.

1 71. (New) The gas discharge panel production method of Claim 17, wherein  
2 the sealing material softens when a stimulus is given from outside, and  
3 in the airtightly seal sub-step, the stimulus is given to the sealing material to soften the  
4 sealing material so that gas flow between inside and outside of the surrounding unit is  
interrupted, and

the pressure adjustment sub-step is performed after the airtightly seal sub-step starts.

72. (New) The gas discharge panel production method of Claim 18, wherein  
the sealing material softens when a stimulus is given from outside, and  
in the airtightly seal sub-step, the stimulus is given to the sealing material to soften the  
sealing material 1 so that gas flow between inside and outside of the surrounding unit is  
interrupted, and

the pressure adjustment sub-step is performed after the airtightly seal sub-step starts.

1 73. (New) The gas discharge panel production method of Claim 19, wherein  
2 the sealing material softens when a stimulus is given from outside, and  
3 in the airtightly seal sub-step, the stimulus is given to the sealing materialv so that gas  
4 flow between inside and outside of the surrounding unit is interrupted, and

5 the pressure adjustment sub-step is performed after the airtightly seal sub-step starts.

1 74. (New) The gas discharge panel production method of Claim 20, wherein  
2 the sealing material softens when a stimulus is given from outside, and  
3 in the airtightly seal sub-step, the stimulus is given to the sealing material to soften the  
4 sealing material so that gas flow between inside and outside of the surrounding unit is  
5 interrupted, and  
6 the pressure adjustment sub-step is performed after the airtightly seal sub-step starts.

1 75. (New) The gas discharge panel production method of Claim 7, wherein  
2 the sealing step includes:  
3 a preparatory sealing sub-step for sealing the surrounding unit with another sealing  
4 material different from the sealing material before the surrounding unit is sealed with the sealing  
5 material in the sealing step, the other sealing material being inserted between the first panel and  
6 the second panel at the rim.

7 76. (New) The gas discharge panel production method of Claim 8, wherein  
8 the sealing step includes:  
9 a preparatory sealing sub-step for sealing the surrounding unit with another sealing  
10 material different from the sealing material before the surrounding unit is sealed with the sealing  
11 material in the sealing step, the other sealing material being inserted between the first panel and  
12 the second panel at the rim.

1 77. (New) The gas discharge panel production method of Claim 9, wherein  
2 the sealing step includes:  
3 a preparatory sealing sub-step for sealing the surrounding unit with another sealing

4 material different from the sealing material before the surrounding unit is sealed with the sealing  
5 material in the sealing step, the other sealing material being inserted between the first panel and  
6 the second panel at the rim.

1 78. (New) The gas discharge panel production method of Claim 10, wherein  
2 the sealing step includes:  
3 a preparatory sealing sub-step for sealing the surrounding unit with another sealing  
4 material different from the sealing material before the surrounding unit is sealed with the sealing  
5 material in the sealing step, the other sealing material being inserted between the first panel and  
6 the second panel at the rim.

79. (New) The gas discharge panel production method of Claim 11, wherein  
the sealing step includes:  
a preparatory sealing sub-step for sealing the surrounding unit with another sealing  
material different from the sealing material before the surrounding unit is sealed with the sealing  
material in the sealing step, the other sealing material being inserted between the first panel and  
the second panel at the rim.

80. (New) The gas discharge panel production method of Claim 12, wherein  
the sealing step includes:  
a preparatory sealing sub-step for sealing the surrounding unit with another sealing  
material different from the sealing material before the surrounding unit is sealed with the sealing  
material in the sealing step, the other sealing material being inserted between the first panel and  
the second panel at the rim.

81. (New) The gas discharge panel production method of Claim 13, wherein

the sealing step includes:

a preparatory sealing sub-step for sealing the surrounding unit with another sealing material different from the sealing material before the surrounding unit is sealed with the sealing material in the sealing step, the other sealing material being inserted between the first panel and the second panel at the rim.

82. (New) The gas discharge panel production method of Claim 14, wherein

the sealing step includes:

a preparatory sealing sub-step for sealing the surrounding unit with another sealing material different from the sealing material before the surrounding unit is sealed with the sealing material in the sealing step, the other sealing material being inserted between the first panel and the second panel at the rim.

83. (New) The gas discharge panel production method of Claim 15, wherein

the sealing step includes:

a preparatory sealing sub-step for sealing the surrounding unit with another sealing material different from the sealing material before the surrounding unit is sealed with the sealing material in the sealing step, the other sealing material being inserted between the first panel and the second panel at the rim.

1 84. (New) The gas discharge panel production method of Claim 16, wherein  
2 the sealing step includes:

3 a preparatory sealing sub-step for sealing the surrounding unit with another sealing  
4 material different from the sealing material before the surrounding unit is sealed with the sealing  
5 material in the sealing step, the other sealing material being inserted between the first panel and  
6 the second panel at the rim.

1 85. (New) The gas discharge panel production method of Claim 17, wherein  
2 the sealing step includes:

3 a preparatory sealing sub-step for sealing the surrounding unit with another sealing  
4 material different from the sealing material before the surrounding unit is sealed with the sealing  
5 material in the sealing step, the other sealing material being inserted between the first panel and  
6 the second panel at the rim.

1 86. (New) The gas discharge panel production method of Claim 18, wherein  
2 the sealing step includes:

3 a preparatory sealing sub-step for sealing the surrounding unit with another sealing  
4 material different from the sealing material before the surrounding unit is sealed with the sealing  
5 material in the sealing step, the other sealing material being inserted between the first panel and  
6 the second panel at the rim.

1 87. (New) The gas discharge panel production method of Claim 19, wherein  
2 the sealing step includes:

3 a preparatory sealing sub-step for sealing the surrounding unit with another sealing  
4 material different from the sealing material before the surrounding unit is sealed with the sealing  
5 material in the sealing step, the other sealing material being inserted between the first panel and  
6 the second panel at the rim.

1 88. (New) The gas discharge panel production method of Claim 20, wherein  
the sealing step includes:

2 a preparatory sealing sub-step for sealing the surrounding unit with another sealing  
3 material different from the sealing material before the surrounding unit is sealed with the sealing  
4 material in the sealing step, the other sealing material being inserted between the first panel and  
5 the second panel at the rim.

6 89. (New) The gas discharge panel production method of Claim 2, wherein  
1 in the sealing step, the surrounding unit is sealed while the first panel and the second  
2 panel is pressurized by fastening tools pinching the first panel and the second panel at the rim.

3 90. (New) The gas discharge panel production method of Claim 3, wherein  
1 in the sealing step, the surrounding unit is sealed while the first panel and the second  
2 panel is pressurized by fastening tools pinching the first panel and the second panel at the rim.

3 91. (New) The gas discharge panel production method of Claim 6, wherein  
1 in the sealing step, the surrounding unit is sealed while the first panel and the second  
2 panel is pressurized by fastening tools pinching the first panel and the second panel at the rim.

92. (New) The gas discharge panel production method of Claim 7, wherein  
in the sealing step, the surrounding unit is sealed while the first panel and the second  
panel is pressurized by fastening tools pinching the first panel and the second panel at the rim.

93. (New) The gas discharge panel production method of Claim 8, wherein  
in the sealing step, the surrounding unit is sealed while the first panel and the second  
panel is pressurized by fastening tools pinching the first panel and the second panel at the rim.

94. (New) The gas discharge panel production method of Claim 9, wherein  
in the sealing step, the surrounding unit is sealed while the first panel and the second  
panel is pressurized by fastening tools pinching the first panel and the second panel at the rim.

95. (New) The gas discharge panel production method of Claim 10, wherein  
in the sealing step, the surrounding unit is sealed while the first panel and the second  
panel is pressurized by fastening tools pinching the first panel and the second panel at the rim.

96. (New) The gas discharge panel production method of Claim 11, wherein  
in the sealing step, the surrounding unit is sealed while the first panel and the second  
panel is pressurized by fastening tools pinching the first panel and the second panel at the rim.

97. (New) The gas discharge panel production method of Claim 12, wherein  
in the sealing step, the surrounding unit is sealed while the first panel and the second  
panel is pressurized by fastening tools pinching the first panel and the second panel at the rim.

98. (New) The gas discharge panel production method of Claim 13, wherein  
in the sealing step, the surrounding unit is sealed while the first panel and the second  
panel is pressurized by fastening tools pinching the first panel and the second panel at the rim.

99. (New) The gas discharge panel production method of Claim 14, wherein  
in the sealing step, the surrounding unit is sealed while the first panel and the second  
panel is pressurized by fastening tools pinching the first panel and the second panel at the rim.

100. (New) The gas discharge panel production method of Claim 15, wherein  
in the sealing step, the surrounding unit is sealed while the first panel and the second  
panel is pressurized by fastening tools pinching the first panel and the second panel at the rim.

101. (New) The gas discharge panel production method of Claim 16, wherein  
in the sealing step, the surrounding unit is sealed while the first panel and the second  
panel is pressurized by fastening tools pinching the first panel and the second panel at the rim.

102. (New) The gas discharge panel production method of Claim 17, wherein  
in the sealing step, the surrounding unit is sealed while the first panel and the second  
panel is pressurized by fastening tools pinching the first panel and the second panel at the rim.

103. (New) The gas discharge panel production method of Claim 18, wherein  
in the sealing step, the surrounding unit is sealed while the first panel and the second  
panel is pressurized by fastening tools pinching the first panel and the second panel at the rim.

1 104. (New) The gas discharge panel production method of Claim 19, wherein  
2 in the sealing step, the surrounding unit is sealed while the first panel and the second  
3 panel is pressurized by fastening tools pinching the first panel and the second panel at the rim.

1 105. (New) The gas discharge panel production method of Claim 20, wherein  
2 in the sealing step, the surrounding unit is sealed while the first panel and the second  
3 panel is pressurized by fastening tools pinching the first panel and the second panel at the rim.

106. (New) The gas discharge panel production method of Claim 2 further comprising:  
an adhesive application step for applying an adhesive to top of the barrier ribs on the first  
panel, the applied adhesive being to bond the top of the barrier ribs to the second panel, and the  
adhesive application step being performed before the surrounding unit forming step, and  
in the sealing step, the top of the barrier ribs and the second panel are bonded together by  
the applied adhesive as the surrounding unit is sealed by the sealing material.

96 107. (New) The gas discharge panel production method of Claim 3 further comprising:  
2 an adhesive application step for applying an adhesive to top of the barrier ribs on the first  
3 panel, the applied adhesive being to bond the top of the barrier ribs to the second panel, and the  
4 adhesive application step being performed before the surrounding unit forming step, and  
5 in the sealing step, the top of the barrier ribs and the second panel are bonded together by  
6 the applied adhesive as the surrounding unit is sealed by the sealing material.

1 108. (New) The gas discharge panel production method of Claim 6 further comprising:  
2 an adhesive application step for applying an adhesive to top of the barrier ribs on the first  
3 panel, the applied adhesive being to bond the top of the barrier ribs to the second panel, and the  
4 adhesive application step being performed before the surrounding unit forming step, and  
5 in the sealing step, the top of the barrier ribs and the second panel are bonded together by  
6 the applied adhesive as the surrounding unit is sealed by the sealing material.

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109. (New) The gas discharge panel production method of Claim 7 further comprising:  
an adhesive application step for applying an adhesive to top of the barrier ribs on the first  
panel, the applied adhesive being to bond the top of the barrier ribs to the second panel, and the  
adhesive application step being performed before the surrounding unit forming step, and  
in the sealing step, the top of the barrier ribs and the second panel are bonded together by  
the applied adhesive as the surrounding unit is sealed by the sealing material.

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110. (New) The gas discharge panel production method of Claim 8 further comprising:  
2 an adhesive application step for applying an adhesive to top of the barrier ribs on the first  
3 panel, the applied adhesive being to bond the top of the barrier ribs to the second panel, and the  
4 adhesive application step being performed before the surrounding unit forming step, and  
5 in the sealing step, the top of the barrier ribs and the second panel are bonded together by  
6 the applied adhesive as the surrounding unit is sealed by the sealing material.

1 111. (New) The gas discharge panel production method of Claim 9 further comprising:  
2 an adhesive application step for applying an adhesive to top of the barrier ribs on the first  
3 panel, the applied adhesive being to bond the top of the barrier ribs to the second panel, and the  
4 adhesive application step being performed before the surrounding unit forming step, and  
5 in the sealing step, the top of the barrier ribs and the second panel are bonded together by  
6 the applied adhesive as the surrounding unit is sealed by the sealing material.

1 112. (New) The gas discharge panel production method of Claim 10 further  
comprising:

an adhesive application step for applying an adhesive to top of the barrier ribs on the first  
panel, the applied adhesive being to bond the top of the barrier ribs to the second panel, and the  
adhesive application step being performed before the surrounding unit forming step, and

in the sealing step, the top of the barrier ribs and the second panel are bonded together by  
the applied adhesive as the surrounding unit is sealed by the sealing material.

1 113. (New) The gas discharge panel production method of Claim 11 further  
2 comprising:

3 an adhesive application step for applying an adhesive to top of the barrier ribs on the first  
4 panel, the applied adhesive being to bond the top of the barrier ribs to the second panel, and the  
5 adhesive application step being performed before the surrounding unit forming step, and

6 in the sealing step, the top of the barrier ribs and the second panel are bonded together by  
7 the applied adhesive as the surrounding unit is sealed by the sealing material.

114. (New) The gas discharge panel production method of Claim 12 further comprising:

an adhesive application step for applying an adhesive to top of the barrier ribs on the first panel, the applied adhesive being to bond the top of the barrier ribs to the second panel, and the adhesive application step being performed before the surrounding unit forming step, and

in the sealing step, the top of the barrier ribs and the second panel are bonded together by the applied adhesive as the surrounding unit is sealed by the sealing material.

115. (New) The gas discharge panel production method of Claim 13 further comprising:

an adhesive application step for applying an adhesive to top of the barrier ribs on the first panel, the applied adhesive being to bond the top of the barrier ribs to the second panel, and the adhesive application step being performed before the surrounding unit forming step, and

in the sealing step, the top of the barrier ribs and the second panel are bonded together by the applied adhesive as the surrounding unit is sealed by the sealing material.

116. (New) The gas discharge panel production method of Claim 14 further comprising:

an adhesive application step for applying an adhesive to top of the barrier ribs on the first panel, the applied adhesive being to bond the top of the barrier ribs to the second panel, and the adhesive application step being performed before the surrounding unit forming step, and

in the sealing step, the top of the barrier ribs and the second panel are bonded together by the applied adhesive as the surrounding unit is sealed by the sealing material.

117. (New) The gas discharge panel production method of Claim 15 further comprising:

an adhesive application step for applying an adhesive to top of the barrier ribs on the first panel, the applied adhesive being to bond the top of the barrier ribs to the second panel, and the adhesive application step being performed before the surrounding unit forming step, and

in the sealing step, the top of the barrier ribs and the second panel are bonded together by the applied adhesive as the surrounding unit is sealed by the sealing material.

118. (New) The gas discharge panel production method of Claim 16 further comprising:

an adhesive application step for applying an adhesive to top of the barrier ribs on the first panel, the applied adhesive being to bond the top of the barrier ribs to the second panel, and the adhesive application step being performed before the surrounding unit forming step, and

in the sealing step, the top of the barrier ribs and the second panel are bonded together by the applied adhesive as the surrounding unit is sealed by the sealing material.

119. (New) The gas discharge panel production method of Claim 17 further comprising:

an adhesive application step for applying an adhesive to top of the barrier ribs on the first panel, the applied adhesive being to bond the top of the barrier ribs to the second panel, and the adhesive application step being performed before the surrounding unit forming step, and

in the sealing step, the top of the barrier ribs and the second panel are bonded together by the applied adhesive as the surrounding unit is sealed by the sealing material.

1 120. (New) The gas discharge panel production method of Claim 18 further  
2 comprising:

3 an adhesive application step for applying an adhesive to top of the barrier ribs on the first  
4 panel, the applied adhesive being to bond the top of the barrier ribs to the second panel, and the  
5 adhesive application step being performed before the surrounding unit forming step, and

6 in the sealing step, the top of the barrier ribs and the second panel are bonded together by  
7 the applied adhesive as the surrounding unit is sealed by the sealing material.

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121. (New) The gas discharge panel production method of Claim 19 further  
comprising:

an adhesive application step for applying an adhesive to top of the barrier ribs on the first  
panel, the applied adhesive being to bond the top of the barrier ribs to the second panel, and the  
adhesive application step being performed before the surrounding unit forming step, and

in the sealing step, the top of the barrier ribs and the second panel are bonded together by  
the applied adhesive as the surrounding unit is sealed by the sealing material.

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1 122. (New) The gas discharge panel production method of Claim 20 further  
2 comprising:

3 an adhesive application step for applying an adhesive to top of the barrier ribs on the first  
4 panel, the applied adhesive being to bond the top of the barrier ribs to the second panel, and the  
5 adhesive application step being performed before the surrounding unit forming step, and

6 in the sealing step, the top of the barrier ribs and the second panel are bonded together by  
7 the applied adhesive as the surrounding unit is sealed by the sealing material.

1 123. (New) The gas discharge panel production method of Claim 37, wherein  
2 whichever comes first out of the sealing step and the bonding step includes, or both of the  
3 sealing step and the bonding step include:  
4 a pressure adjustment sub-step for adjusting pressure so that pressure inside the  
5 surrounding unit is lower than pressure outside the surrounding unit.

1 124. (New) The gas discharge panel production method of Claim 38, wherein  
2 whichever comes first out of the sealing step and the bonding step includes, or both of the  
3 sealing step and the bonding step include:  
4 a pressure adjustment sub-step for adjusting pressure so that pressure inside the  
5 surrounding unit is lower than pressure outside the surrounding unit.

1 125. (New) The gas discharge panel production method of Claim 39, wherein  
2 whichever comes first out of the sealing step and the bonding step includes, or both of the  
3 sealing step and the bonding step include:  
4 a pressure adjustment sub-step for adjusting pressure so that pressure inside the  
5 surrounding unit is lower than pressure outside the surrounding unit.

1 126. (New) The gas discharge panel production method of Claim 40, wherein  
2 whichever comes first out of the sealing step and the bonding step includes, or both of the  
3 sealing step and the bonding step include:  
4 a pressure adjustment sub-step for adjusting pressure so that pressure inside the  
5 surrounding unit is lower than pressure outside the surrounding unit.

1 127. (New) The gas discharge panel production method of Claim 41, wherein  
2 whichever comes first out of the sealing step and the bonding step includes, or both of the  
3 sealing step and the bonding step include:

4 a pressure adjustment sub-step for adjusting pressure so that pressure inside the  
5 surrounding unit is lower than pressure outside the surrounding unit.

1 128. (New) The gas discharge panel production method of Claim 37, wherein  
2 in the sealing step, the barrier ribs are observed in terms of shape, and condition for  
3 radiating the energy is controlled based on results of the observance.

129. (New) The gas discharge panel production method of Claim 38, wherein  
in the sealing step, the barrier ribs are observed in terms of shape, and condition for  
radiating the energy is controlled based on results of the observance.

130. (New) The gas discharge panel production method of Claim 39, wherein  
in the sealing step, the barrier ribs are observed in terms of shape, and condition for  
radiating the energy is controlled based on results of the observance.

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1 131. (New) The gas discharge panel production method of Claim 40, wherein  
2 in the sealing step, the barrier ribs are observed in terms of shape, and condition for  
3 radiating the energy is controlled based on results of the observance.

1 132. (New) The gas discharge panel production method of Claim 41, wherein  
2 in the sealing step, the barrier ribs are observed in terms of shape, and condition for  
3 radiating the energy is controlled based on results of the observance.

133. (Amended) The exhaust pipe sealing off apparatus of Claim 50, wherein  
the restriction member is disposed at tow locations or more along the exhaust pipe  
between the heating unit and the exhaust pipe.

134. (New) A gas discharge panel produced with a production method defined in  
Claim 2.

135. (New) A gas discharge panel produced with a production method defined in  
Claim 3.

136. (New) A gas discharge panel produced with a production method defined in  
Claim 6.

137. (New) A gas discharge panel produced with a production method defined in  
Claim 7.

138. (New) A gas discharge panel produced with a production method defined in  
Claim 8.

139. (New) A gas discharge panel produced with a production method defined in  
Claim 9.

140. (New) A gas discharge panel produced with a production method defined in  
Claim 10.

141. (New) A gas discharge panel produced with a production method defined in  
Claim 11.

1 142. (New) A gas discharge panel produced with a production method defined in  
2 Claim 12.

1 143. (New) A gas discharge panel produced with a production method defined in  
2 Claim 13.

1 144. (New) A gas discharge panel produced with a production method defined in  
2 Claim 14.

1 145. (New) A gas discharge panel produced with a production method defined in  
2 Claim 15.

1 146. (New) A gas discharge panel produced with a production method defined in  
2 Claim 16.

1 147. (New) A gas discharge panel produced with a production method defined in  
2 Claim 17.

1 148. (New) A gas discharge panel produced with a production method defined in  
2 Claim 18.

1 149. (New) A gas discharge panel produced with a production method defined in  
2 Claim 19.

1 150. (New) A gas discharge panel produced with a production method defined in  
2 Claim 20.